

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicant | : | Scott B. Wilson |
| Appl. No. | : | 10/830,177 |
| Filed | : | April 21, 2004 |
| For | : | SYSTEMS AND METHODS FOR AUTOMATIC AND INCREMENTAL LEARNING OF PATIENT STATES FROM BIOMEDICAL SIGNALS |
| Examiner | : | Peter D. Coughlan |
| Group Art Unit | : | 2129 |

Mail Stop AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Final Office Action of April 30, 2007, the Applicant submits the following amendments and remarks for consideration in connection with the above-identified patent application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 10 of this paper.